

a program code segment for comparing SQUIDs of two different pointers.

64. A computer program product for processing programs, the computer program product comprising a computer usable medium having computer readable code thereon, including program code which:

stores data objects in memory;

generates pointers to the stored data objects;

associates migration indicators with the pointers, a migration indicator indicating a number of migrations of a data object referenced by an associated pointer prior to said associated pointer being created; and

compares two pointers, determining that said two pointers do not reference the same data object if their associated migration indicators indicate identical numbers of migrations and their corresponding addresses are different.

65. A computer data signal embodied in a carrier wave for processing programs, comprising:

a program code segment for storing data objects in memory;

a program code segment for generating pointers to the stored data objects;

a program code segment for associating migration indicators with the pointers, a migration indicator indicating a number of migrations of a data object referenced by an associated pointer prior to said associated pointer being created; and

a program code segment for comparing two pointers, said segment determining that said two pointers do not reference the same data object if their associated migration indicators indicate identical numbers of migrations and their corresponding addresses are different.

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